

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 08/26/2021 09:20 AM
Cytometer Baseline: 06/17/2021 09:50 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124525	-1	1.30	124432	1.27
Blue	F	SSC	125000	124437	-1	2.64	124681	2.54
Blue	E	FITC	13131	12759	-3	2.44	295	15.76
Blue	D	PE	24112	23827	-2	1.87	547	10.81
Blue	B	PerCP-Cy5-5	31295	30642	-3	3.19	1018	14.33
Blue	A	PE-Cy7	19939	19551	-2	5.29	517	29.41
Red	C	APC	42122	41797	-1	2.78	1751	11.34
Red	A	APC-Cy7	22340	21643	-4	3.11	807	11.51
Violet	B	V450	7410	7043	-5	3.43	433	12.27
Violet	A	V500	28118	26762	-5	2.97	670	9.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22928	1.30	567	-2	N/A	N/A	Pass
Blue	F	SSC	57979	1.12	519	7	N/A	N/A	Pass
Blue	E	FITC	54	54.62	486	-1	0.0397	90	Pass
Blue	D	PE	115	36.61	489	1	0.3977	285	Pass
Blue	B	PerCP-Cy5-5	188	35.94	584	-2	0.0208	93	Pass
Blue	A	PE-Cy7	105	66.12	626	-2	0.0214	0	Pass
Red	C	APC	403	23.50	578	2	0.0275	125	Pass
Red	A	APC-Cy7	180	27.23	551	0	0.0064	999	Pass
Violet	B	V450	61	61.19	463	10	0.0608	2119	Pass
Violet	A	V500	96	32.62	474	9	0.0260	623	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.56	-31.37	0.97
Blue	20.37	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.77	13.60 - 20.40	N/A	N/A	29.71	30.00	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10253

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments